



# **Results-Framework Document (RFD)**

**for**

## **National Research Centre on Pig (2012- 2013)**

**Address: Rani, Guwahati- 781 131, Assam**

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## **Section 1:**

### **Vision, Mission, Objectives and Functions**

#### **Vision**

To bring in excellence in pig production, health and product processing through innovative research in order to provide technology backstopping for enhanced pork production, employment generation and poverty reduction among socially and economically weaker sections through the medium of pig husbandry.

#### **Mission**

Performance appraisal and genetic cataloguing of indigenous pigs, development of improved pig variety together with production, health, product processing and pig based integrated farming system technologies to facilitate the pig rearers of the country achieving household food, nutritional and economic security.

#### **Objectives**

1. Improving reproductive efficiency in pigs
2. Production of improved germplasm of piglets and supplying to various stake holders
3. Health management for enhancing pig production
4. Processing of value added pork products/ process
5. Popularization of pig husbandry at farmer's field
6. Improving the nutritional status of pigs

#### **Functions**

- To attend the matters relating to all aspects of pig production and health including basic, strategic and applied research activities, product/by-product processing, value addition through quality control measures and transfer of the evolved technologies to the client groups and to act as repository of information on pig production in the country.

## Section 2:

### **Inter se priorities among key objectives, success indicators and targets**

Objectives	Weight (%)	Actions	Success indicators	Unit	Weight (%)	Target/Criteria value				
						Excellent	Very good	Good	Fair	Poor
						100%	90%	80%	70%	60%
Improving reproductive efficiency in pigs	35	Training of boars for semen collection	Number of boars trained	Number	08	10	09	06	04	02
		Semen evaluation for quality assessment	Number of semen samples analyzed	Number	09	350	300	200	150	100
		Conducting artificial insemination of pigs in institute farm/farmers' field/other institute farm	Number of AI conducted	Number	18	450	400	300	250	200
Production of improved germ plasm of piglets and supplying to various stake holders	28	Production of improved/ crossbred varieties of pigs	Number of piglets of 1.5 -2 months of age produced and distributed/sold	Number	28	1200	1000	800	700	600
Health management for enhancing pig production	14	Screening of biological samples for disease diagnosis	Number of biological samples analyzed	Number	14	1000	950	800	700	600

Processing of value added pork products/ process	04	Processing of value added pork products	Value added pork products processed	Number	04	3	2	1	0	0
Popularization of pig husbandry at farmer's field	04	Conducting farmer's / entrepreneurs training for scientific pig rearing at field/Institute	Number of farmer's / entrepreneurs trained	Number	04	100	90	80	70	60
Improving the nutritional status of pigs	03	Formulation of economic rations for different categories of pigs	Number of formulations developed	Number	03	2	01	0	0	0
Efficient functioning of the RFD System	03	Timely submission of RFD for 2012-13	On-time submission	Date	2	Mar. 23 2012	Mar. 26 2012	Mar. 27 2012	Mar. 28 2012	Mar. 29 2012
		Timely submission of Results for 2012-13	On-time submission	Date	1	May 1 2013	May 2 2013	May 3 2013	May 6 2013	May 7 2013
Administrative reforms	05	Implement ISO 9001	Prepare ISO 9001 action plan	Date	1	June, 4 2012	June, 5 2012	June, 6 2012	June, 7 2012	June, 8 2012
			Implementation of ISO 9001 action plan	Date	2	March 25 2013	March 26 2013	March 27 2013	March 28 2013	March 29 2013
		Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	2	100	95	90	85	80

Improving internal efficiency / responsiveness / service delivery of Ministry / Department	04	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	2	100	95	90	85	80
			Independent Audit of implementation of public grievance redressal system	%	2	100	95	90	85	80

**Section 3:  
Trend Values of the Success Indicators**

Objectives	Actions	Success indicators	Unit	Actual value for FY 10/11	Actual value for FY 11/12	Target value for FY 12/13	Projected value for FY 13/14	Projected value for FY 14/15
Improving reproductive efficiency in pigs	Training of boars for semen collection	Number of boars trained	Number	4	8	9	10	12
	Semen evaluation for quality assessment	Number of semen samples analyzed	Number	90	250	300	400	450
	Conducting artificial insemination of pigs in Institute farm/farmers' field/other Institute farm	Number of AI conducted	Number	80	350	400	450	500
Production of improved germ plasm of piglets and supplying to various stake holders	Production of improved/crossbred varieties of pigs	Number of piglets of 1.5 -2 months of age produced and distributed/ sold	Number	280	900	1000	1400	1600
Health management for enhancing pig production	Screening of biological samples for disease diagnosis	Number of biological samples analyzed	Number	650	900	950	1000	1100
Processing of value added pork products/ process	Processing of value added pork products	Value added pork products/ process developed	Number	01	02	02	04	04
Popularization of pig husbandry at farmer's field	Conducting farmer's / entrepreneurs training for scientific pig rearing at field/Institute	Number of farmer's / entrepreneurs trained	Number	40	70	90	120	140

Improving the nutritional status of pigs	Formulation of economic rations for different categories of pigs	Number of formulations developed	Number	01	02	01	02	03
Efficient Functioning of the RFD System	Timely submission of RFD for 2012-13	On-time submission	Date	-	-	Mar. 26 2012	--	--
	Timely submission of Results for 2012-13	On-time submission	Date	-	-	May 2 2013	--	--
Administrative Reforms	Implement ISO 9001	Prepare ISO 9001 action plan	Date	--	--	June, 5 2012	--	--
		Implementation of ISO 9001 action plan	Date	--	--	March 26 2013	--	--
	Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	--	--	95	--	--
Improving Internal Efficiency / responsiveness / service delivery of Ministry / Department	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	--	--	95	--	--
		Independent Audit of implementation of public grievance redressal system	%	--	--	95	--	--

## **Section 4:**

### **Description and definition of success indicators and proposed measurement methodology**

Objective 1: With respect to training of boars and extending AI service, the action points cover training of boars for semen collection and to conduct artificial insemination of pigs in institute farm/farmers' field/other institute farms for improving reproductive efficiency.

Objective 2: With respect to production of improved piglets for supplying to the farmers/ AICRP/mega seed centers, it is stipulated to develop crossbreds by breeding between indigenous (Ghungroo, Niang-Megha) and exotic (Hampshire, Duroc) pigs to obtain better productive and reproductive performances, hence the number of improved piglets distributed would help in having better quality germ plasm at field level.

Objective 3: With respect to monitoring and management of pig health, the action points cover screening of number of fecal & blood samples to identify the causative agent and to recommend correct remedial measures.

Objective 4: With respect to improving the nutritional status of pigs, the action points will cover formulation of economic rations by incorporating locally available feed resources for different categories of pigs.

Objective 5: With respect to processing and popularization of value added pork products, the action points will cover processing of different value added pork products suited to the taste of local consumers and participating in exhibition/agri-fairs in the NEH region to popularize these products among pork consumers.

Objective 6: With respect to conducting farmer's/ entrepreneurs' training for scientific pig rearing at farmers field/ Institute to popularize the scientific and sustainable pig husbandry practices.



## **Section 5:**

### **Specific performance requirements from other departments that are critical for delivering agreed results**

1. Approval of layout plans and execution of works will require commitment and timeliness on the part of CPWD.
2. Timely execution of external funded research projects requires commitment and timeliness on releasing the funds from planning commission and other agencies.
3. Popularization of technologies developed will depend on State AH Department and their response.

**Section 6:  
Outcome / impact of activities of RSC (NRC on Pig)**

Sl. No	Outcome / impact of RSCs	Jointly responsible for influencing this outcome / impact with following org. / depts.	Success indicators	Unit	2010-11	2011-12	2012-13	2013-14	2014-15
1	Quality pig seed production	State Agri. Universities State AH Depts.	Percent improvement in income of households	Percentage	06	07	10	11	12
2	Reducing the disease incidences in pigs through better health management	Other ICAR Institutes State Agri. Universities	Percent reduction in disease incidence	Percentage	0.6	0.75	1	1.25	1.5
3	Quality pork products/process to meet the consumer preference	Other ICAR Institutes Ministry of Food Processing Industries, National Meat and Poultry Processing Board, BIS, NABARD Private pork processing units	Number of quality products/process	Number	1	2	3	4	5